



BOX PATENT

Attorney Docket No. 24512-X

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

REUSER et al.

Examiner: T. Ton

Serial No.: 09/886,477

Art Unit: 1632

Filing Date: June 22, 2001

For: **METHODS OF PURIFYING HUMAN ACID ALPHA-GLUCOSIDASE**

Appendix B

Please amend the following claims as indicated in the following clean copy of the claims.

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2. (Once Amended) The method of claim 1, wherein the column  
B<sup>1</sup> in steps (a) and (b) is an anion exchange column.

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3. (Twice Amended) The method of claim 1, wherein the anion  
B<sup>2</sup> exchange column is Q-Sepharose.

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5. (Twice Amended) The method of claim 1, wherein the anion  
B<sup>3</sup> exchange column is copper chelating Sepharose.

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6. (Once Amended) The method of claim 1, wherein the  
B<sup>4</sup> affinity column is lentil Sepharose.

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7. (Twice Amended) The method of claim 1, wherein the  
B<sup>5</sup> hydrophobic interaction column is phenyl Sepharose.

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B5 8. (Twice Amended) The method of claim 1, wherein the hydrophobic interaction column is Source Phenyl 15.

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B6 10. (Twice Amended) The method of claim 1, further comprising repeating steps (a) and (b) and/or (c) until the a-glucosidase has been purified to 95%, preferably 99%, more preferably 99.9% w/w pure. *Ranges*

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11. (Twice Amended) The method of claim 1, wherein the sample is milk produced by a transgenic mammal expressing the a-glucosidase in its milk.

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B7 19. (Once Amended) The method of claim 1 leading to at least 95%, preferably at least 99%, more preferably at least 99.9% w/w pure human a-glucosidase. *Ranges*

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